

**In the claims:**

All of the claims standing for examination are reproduced below with indication of amendment status.

1. (Currently amended) A software instance operating on a computer platform including a model framework for ~~generating~~ specifying purpose-specific batch programs comprising:

an extensible code library;  
an abstraction representing a batch program;  
an abstraction representing a batch function of the program;  
an abstraction representing operation of the function;  
an abstraction representing a data provider to the function; and  
an abstraction representing a context class of the function;  
characterized in that an instantiation process of the ~~model~~ models is initiated with appropriate input data parameters input to each abstraction generating appropriate instances of batch functions ~~including~~ and function operations wherein the generated instances are executable as part of a run sequence of the purpose-specific batch program.

2. (Previously presented) The model framework of claim 1 wherein modeling language is unified modeling language.

3. (Original) The model framework of claim 1 wherein instantiation creates user-instance functions that are operationally linked and together define a user-instance of batch program.

4. (Previously presented) The model framework of claim 3 wherein code required to generate the user instance functions defining the program is automatically generated

by the model as a result of data input and subsequent instantiation.

5. (Original) The model framework of claim 1 wherein the data provider obtains its data from a database by query.
6. (Original) The model framework of claim 1 wherein one batch function indicates if memory management should be provided.
7. (Original) The model framework of claim 1 wherein the class encapsulates restart information and information passed between different operations.
8. (Currently amended) A method for developing an executable batch program through model instantiation comprising steps of:
  - (a) providing ~~an executable~~ a model abstraction including program, function, class, data provider, and operation objects;
  - (b) inputting data into the model abstraction, the input data defining a user instance class of batch program;
  - (c) instantiating the model abstraction;
  - (d) generating code within the model abstraction, the code defining user instances of batch functions including operations and execution orders; and
  - (e) compiling the generated code to build the user instance batch program.
9. (Previously presented) The method of claim 8 wherein the model comprises a meta model framework.
10. (Original) The method of claim 8 wherein in step (a) the code is UML language.
11. (Original) The method of claim 8 wherein in steps (d) and (e) are automated.